BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work:- Improvements of Anganawadi buildings and Improvements of Government School buildings in ward no-04 of Yelahanka Satellite town sub division.

Agency:-Sri.T.S.Kothanda Raju

MEASUREMENT SHEET Bill N0:-Final Bill

Pre-Measurements Taken On:- 15/07/2021

S.NO	Description of item's	Unit	No	Measurements L	B	D	Qty	Remarks
1	Provision for Dismantling of Existing RCC Structure and removing the debris as directed by the Engineer-in-Charge of work.with all lead & lift, loading & unloading and all other incidental charges etc.**(BCSR Item No 18.19, Page No.139)**							
	Ground Floor	Cum						
	Roof		1	6.00	4.85	0.15	4.37	
			1	4.50	3.90	0.12	2.11	
	columns		8	0.30	0.20	4.20	2.02	
			6	0.40	0.20	3.90	1.87	
	Lintel		1	22.80	0.20	0.15	0.68	
			1	16.50	0.20	0.12	0.40	
	Flooring		1	4.50	4.35	0.15	2.94	
			1	4.00	3.50	0.12	1.68	
	Coping		1	22.80	0.45	0.15	1.54	
			1	16.50	0.40	0.15	0.99	
					Total Quantity		18.58	

Agency Signature

Assistant Engineer
Ward No-04

Assistant Executive Engineer
Yelahanka Sattelite Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work:- Improvements of Anganawadi buildings and Improvements of Government School buildings in ward no-04 of Yelahanka Satellite town sub division.

Agency:-Sri.T.S.Kothanda Raju

MEASUREMENT SHEET Bill N0:-Final Bill

Pre-Measurements Taken On:- 15/07/2021

S.NO	Description of item's	Unit	No	Measurements L	B	D	Qty	Remarks
2	Provision for Dismantling of Existing Brick masonry and removing the debris as directed by the Engineer-in-Charge of work.with all lead & lift, loading & unloading and all other incidental chargesetc.**(BCSR Item No 18.23, Page No.139)**							
	Ground Floor	Cum						
	L/walls		2	6.00	0.23	4.20	11.59	
			2	4.50	0.23	3.90	8.07	
	S/Walls		2	4.85	0.23	4.20	9.37	
			2	3.50	0.23	3.90	6.28	
					Total Quantity		35.31	

Agency Signature

Assistant Engineer
Ward No-04

Assistant Executive Engineer
Yelahanka Sattelite Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work:- Improvements of Anganawadi buildings and Improvements of Government School buildings in ward no-04 of Yelahanka Satellite town sub division.

Agency:-Sri.T.S.Kothanda Raju

MEASUREMENT SHEET Bill N0:-Final Bill

Pre-Measurements Taken On:- 26/07/2021

S.NO	Description of item's	Unit	No	Measurements L	B	D	Qty	Remarks
3	Earthwork in surface excavation for levelling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications.No.KBS 2.1 (a)/2.3.1 KSRB 2-1.1:-do- ordinary soil **(BCSR Item No 2.1 Page No 6)**							
	Ground floor:-	Cum						
	Site Levelling		1	25.00	14.40	0.05	18.00	
	Footings:-C1		3	4.20	3.00	1.80	68.04	
	C2		2	3.80	2.50	1.80	34.20	
	C3		5	3.20	2.60	1.80	74.88	
	C4		3	2.40	2.20	1.80	28.51	
	CF1		1	5.50	3.80	1.80	37.62	
	CF2		1	6.90	3.00	1.80	37.26	
	CF3		1	5.60	2.10	1.80	21.17	
	CF4		1	6.50	2.30	1.80	26.91	
	Foundations:-L/Walls		2	24.10	0.75	0.60	21.69	
			1	7.60	0.75	0.60	3.42	
			1	6.85	0.75	0.60	3.08	
	S/Walls		5	4.95	0.75	0.60	11.14	
			2	5.05	0.75	0.60	4.55	
			2	1.85	0.75	0.60	1.67	
	Old Building,Sanitary Trench		1	30.00	0.45	0.75	10.13	
	Inspection Chamber		1	1.20	1.20	0.75	1.08	
							403	
	Deductions							
	Footings:-C1		3	4.20	0.75	0.60	3.42	
	C2		2	3.80	0.75	0.60	7.20	
	C3		5	3.20	0.75	0.60	3.24	
	C4		3	2.40	0.75	0.60	2.48	
	CF1		1	5.50	0.75	0.60	3.14	
	CF2		1	6.90	0.75	0.60	2.53	
	CF3		1	5.60	0.75	0.60	2.93	
	CF4		1	6.50	0.75	0.60	30.56	
						Total Quantity	372.78	
		A)Up to125% of quantity					293.59	

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work:- Improvements of Anganawadi buildings and Improvements of Government School buildings in ward no-04 of Yelahanka Satellite town sub division.

Agency:-Sri.T.S.Kothanda Raju

MEASUREMENT SHEET Bill N0:-Final Bill

Pre-Measurements Taken On:- 15/09/2021

S.NO	Description of Item's	Unit	No	Measurements L	B	D	Qty	Remarks
4	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 ems. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labourcomplete as per specifications.**(BCSR Item No 2.10, Page No 7)**							
	Ground floor:-	Cum						
	Site Levelling		1	25.00	14.40	0.05	18.00	
	Footings:-C1		3	4.20	3.00	1.80	68.04	
	C2		2	3.80	2.50	1.80	34.20	
	C3		5	3.20	2.60	1.80	74.88	
	C4		3	2.40	2.20	1.80	28.51	
	CF1		1	5.50	3.80	1.80	37.62	
	CF2		1	6.90	3.00	1.80	37.26	
	CF3		1	5.60	2.10	1.80	21.17	
	CF4		1	6.50	2.30	1.80	26.91	
	Foundations:-L/Walls		2	24.10	0.75	0.60	21.69	
			1	7.60	0.75	0.60	3.42	
			1	6.85	0.75	0.60	3.08	
	S/Walls		5	4.95	0.75	0.60	11.14	
			2	5.05	0.75	0.60	4.55	
			2	1.85	0.75	0.60	1.67	
	(-)Deductions						**392.13**	
	Boulders Filling:-C1		3	4.20	3.00	0.30	11.34	
	C2		2	3.80	2.50	0.30	5.70	
	C3		5	3.20	2.60	0.30	12.48	
	C4		3	2.40	2.20	0.30	4.75	
	CF1		1	5.50	3.80	0.30	6.27	
	CF2		1	6.90	3.00	0.30	6.21	
	CF3		1	5.60	2.10	0.30	3.53	
	CF4		1	6.50	2.30	0.30	4.49	
	PCC 1:3:6:-C1		3	4.20	3.00	0.15	5.67	
	C2		2	3.80	2.50	0.15	2.85	
	C3		5	3.20	2.60	0.15	6.24	
	C4		3	2.40	2.20	0.15	2.38	
	CF1		1	5.50	3.80	0.15	3.14	
	CF2		1	6.90	3.00	0.15	3.11	
	CF3		1	5.60	2.10	0.15	1.76	

	CF4		1	6.50	2.30	0.15	2.24
	Foundations:-L/Walls		2	24.10	0.75	0.10	3.62
			1	7.60	0.75	0.10	0.57
			1	6.85	0.75	0.10	0.51
	S/Walls		5	4.95	0.75	0.10	1.86
			2	5.05	0.75	0.10	0.76
			2	1.85	0.75	0.10	0.28
	SSM for Foundations:-L/Walls		2	24.05	0.60	0.45	12.99
			1	7.55	0.60	0.45	2.04
			1	6.80	0.60	0.45	1.84
	S/Walls		5	5.00	0.60	0.45	6.75
			2	5.10	0.60	0.45	2.75
			2	1.90	0.60	0.45	1.03
	2nd footing:-L/Walls		2	23.90	0.45	0.05	1.08
			1	7.40	0.45	0.05	0.17
			1	6.65	0.45	0.05	0.15
	S/Walls		5	5.15	0.45	0.05	0.58
			2	5.25	0.45	0.05	0.24
			2	2.05	0.45	0.05	0.09
	Footings:-C1		3	4.20	3.00	0.60	22.68
	C2		2	3.80	2.50	0.55	10.45
	C3		5	3.20	2.60	0.50	20.80
	C4		3	2.40	2.20	0.40	6.34
	CF1		1	5.50	3.80	0.35	7.32
	CF2		1	6.90	3.00	0.30	6.21
	CF3		1	5.60	2.10	0.30	3.53
	CF4		1	6.50	2.30	0.30	4.49
	Pedestal,s:-CF1		2	0.90	0.90	0.40	0.65
	CF2		2	0.60	0.60	0.70	0.50
	CF3		2	0.60	0.60	0.45	0.32
	CF4		2	0.60	0.60	0.45	0.32
	Columns Up to Plinth Level:-C1		3	0.60	0.30	0.90	0.49
	C2		2	0.45	0.30	0.95	0.26
	C3		5	0.45	0.30	1.00	0.68
	C4		3	0.45	0.30	1.10	0.45
	CF1		2	0.60	0.30	0.75	0.27
	CF2		1	0.60	0.30	0.50	0.09
			1	0.45	0.30	0.50	0.07
	CF3		2	0.45	0.30	0.75	0.20
	CF4		2	0.45	0.30	0.75	0.20
							205.73
					Total Quantity		**186.40**

C&FC

Agency Signature

Assistant Engineer
Ward No-04

Assistant Executive Engineer
Yelahanka Sattelite Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work:- Improvements of Anganawadi buildings and Improvements of Government School buildings in ward no-04 of Yelahanka Satellite town sub division.

Agency:-Sri.T.S.Kothanda Raju

MEASUREMENT SHEET Bill N0:-Final Bill

Pre-Measurements Taken On:- 15/09/2021

S.NO	Description of item's	Unit	No	Measurements L	B	D	Qty	Remarks
5	Providing and injecting chemical emulsion for Pre-constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration at 3.19 Litre/sqm., including cost of chemical, diluting in water to one percent concentration, labour, HOM complete as per specifications. (Plinth area of the building at ground floor only shall be measured)**(BCSR Item No 3.2,Page No. 10)**							
	Ground floor:-	sqm						
	New Building:-Site Formation		1	25.00	14.40		360.00	
						Total Quantity	360.00	
		A)Up to125% of quantity					268.18	
		B)Above 125% of quantity					91.83	

Agency Signature

Assistant Engineer
Ward No-04

Assistant Executive Engineer
Yelahanka Satellite Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work:- Improvements of Anganawadi buildings and Improvements of Government School buildings in ward no-04 of Yelahanka Satellite town sub division.

Agency:-Sri.T.S.Kothanda Raju

MEASUREMENT SHEET Bill N0:-Final Bill

Pre-Measurements Taken On:- 04/09/2021

S.NO	Description of Item's	Unit	No	Measurements L	B	D	Qty	Remarks
9	Providing and constructing granite I trap I basalt size stone masonry in foundation with cement mortar, stone hammered dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour,curing complete as per specifications.**(BCSR Item No 5.6,Page No. 25)**							
	Ground floor:-	Cum						
	Foundations:-L/Walls		2	24.05	0.60	0.45	12.99	
			1	7.55	0.60	0.45	2.04	
			1	6.80	0.60	0.45	1.84	
	S/Walls		5	5.00	0.60	0.45	6.75	
			2	5.10	0.60	0.45	2.75	
			2	1.90	0.60	0.45	1.03	
	2nd footing:-L/Walls		2	23.90	0.45	0.30	6.45	
			1	7.40	0.45	0.30	1.00	
			1	6.65	0.45	0.30	0.90	
	S/Walls		5	5.15	0.45	0.30	3.48	
			2	5.25	0.45	0.30	1.42	
			2	2.05	0.45	0.30	0.55	
							41.19	
	(-)Deductions For Columns:-							
	1st footing Portion :-C1		3	0.60	0.30	0.45	0.24	
	C2		2	0.45	0.30	0.45	0.12	
	C3		5	0.45	0.30	0.45	0.30	
	C4		3	0.45	0.30	0.45	0.18	
	CF1		2	0.60	0.30	0.45		
	CF2		1	0.60	0.30	0.45		
			1	0.45	0.30	0.45	0.06	
	CF3		2	0.45	0.30	0.45	0.12	
	CF4		2	0.45	0.30	0.45	0.12	
	2nd Footing Portion:-C1		3	0.60	0.30	0.30	0.16	
	C2		2	0.45	0.30	0.30	0.08	
	C3		4	0.45	0.30	0.30	0.16	
			1	0.45	0.30	0.30	0.04	
	C4		2	0.45	0.30	0.30	0.08	
			1	0.45	0.30	0.30	0.04	
	CF1		2	0.60	0.30	0.30	0.11	
	CF2		1	0.60	0.30	0.30	0.05	
			1	0.45	0.30	0.30	0.04	

	CF3		2	0.45	0.30	0.30	0.08	
	CF4		2	0.45	0.30	0.30	0.08	
							2.33	
						Total Quantity	38.86	
		A)Up to125% of quantity					32.38	
		B)Above 125% of quantity					6.48	

Agency Signature

Assistant Engineer
Ward No-04

Assistant Executive Engineer
Yelahanka Sattelite Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work:- Improvements of Anganawadi buildings and Improvements of Government School buildings in ward no-04 of Yelahanka Satellite town sub division.

Agency:-Sri.T.S.Kothanda Raju

MEASUREMENT SHEET Bill N0:-Final Bill

Measurements Taken On:- 26/10/2021

S.NO	Description of item's	Unit	No	Measurements L	B	D	Qty	Remarks
12	Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curingcomplete as per specifications.**(BCSR Item No 4.6,Page No 13)**							
	Ground floor:-	cum						
	In front of Govt School Ground,open passages:-							
	L/Side		1	3.30	3.00	0.10	0.99	
			1	14.40	2.10	0.10	3.02	
	Front		1	16.00	4.50	0.10	7.20	
	R/Side		1	7.95	9.40	0.10	7.47	
			1	1.95	10.50	0.10	2.05	
			1	8.55	12.30	0.10	10.52	
			1	2.85	1.50	0.10	0.43	
			1	13.50	11.10	0.10	14.99	
			1	2.65	4.50	0.10	1.19	
			1	4.65	2.05	0.10	0.95	
			1	4.80	3.00	0.10	1.44	
			1	4.10	1.50	0.10	0.62	
							50.86	
	(-)Deductions:-Steps		2	1.80	0.90	0.10	0.32	
	Flaghausting Flatform		1	3.60	1.50	0.10	0.54	
	Tree Pathies		1	2.40	1.80	0.10	0.43	
			5	0.90	0.90	0.10	0.41	
			1	5.70	1.20	0.10	0.68	
			1	1.20	1.50	0.10	0.18	
			1	1.80	1.20	0.10	0.22	
							2.78	
						Total Quantity	48.08	
	A)Up to125% of quantity						15.63	
	B)Above 125% of quantity						32.46	

Agency Signature

Assistant Engineer
Ward No-04

Assistant Executive Engineer
Yelahanka Sattelite Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work:- Improvements of Anganawadi buildings and Improvements of Government School buildings in ward no-04 of Yelahanka Satellite town sub division.

Agency:-Sri.T.S.Kothanda Raju

MEASUREMENT SHEET Bill N0:-Final Bill

Measurements Taken On:- 30/10/2021

S.NO	Description of item's	Unit	No	Measurements L	B	D	Qty	Remarks
13	Providing and laying in position reinforced cement concrete of design Mix M25 with OPC @ 340kgs, with 20mm anddown size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with super plasticisers @31ts confirming to 189103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 ems thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, lintles, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications.**(BCSR Item No 4.12, Page No.14)**							
	Ground Floor:-	Cum						
	Footings:-C1		3	4.20	3.00	0.60	22.68	
	C2		2	3.80	2.50	0.55	10.45	
	C3		5	3.20	2.60	0.50	20.80	
	C4		3	2.40	2.20	0.40	6.34	
	CF1		1	5.50	3.80	0.35	7.32	
	CF2		1	6.90	3.00	0.30	6.21	
	CF3		1	5.60	2.10	0.30	3.53	
	CF4		1	6.50	2.30	0.30	4.49	
	Pedestal,s:-CF1		2	0.90	0.90	0.40	0.65	
	CF2		2	0.60	0.60	0.70	0.50	
	CF3		2	0.60	0.60	0.45	0.32	
	CF4		2	0.60	0.60	0.45	0.32	
	Columns Up to Plinth Level:-C1		3	0.60	0.30	1.15	0.62	
	C2		2	0.45	0.30	1.20	0.32	
	C3		5	0.45	0.30	1.25	0.84	
	C4		3	0.45	0.30	1.35	0.55	
	CF1		2	0.60	0.30	1.00	0.36	
	CF2		1	0.60	0.30	0.75	0.14	
	CF3		1	0.45	0.30	0.75	0.07	
	CF4		2	0.45	0.30	1.00	0.27	
	Plinth beam:-PB1		2	0.45	0.30	1.00	0.27	
			8	5.85	0.30	0.45	6.32	
			3	5.78	0.30	0.45	2.33	
			2	2.70	0.30	0.45	0.73	
	PB2		6	3.25	0.30	0.45	2.63	
			2	1.30	0.30	0.45	0.35	

B14		1	1.30	0.30	0.30	0.12	
		2	3.25	0.30	0.30	0.59	
Roof		1	12.60	8.90	0.15	16.82	
		1	11.75	7.95	0.15	14.01	
		1	3.25	6.45	0.15	3.14	
Columns Up to Parapet Level:-C1		3	0.60	0.30	0.80	0.43	
C2		2	0.45	0.30	0.80	0.22	
C3		5	0.45	0.30	0.80	0.54	
C4		3	0.45	0.30	0.80	0.32	
CF1		2	0.60	0.30	0.80	0.29	
CF2		1	0.60	0.30	0.80	0.14	
		1	0.45	0.30	0.80	0.11	
CF3		2	0.45	0.30	0.80	0.22	
CF4		2	0.45	0.30	0.80	0.22	
Staire case 1st flight		1	4.25	1.50	0.12	0.77	
Landing		1	3.00	1.50	0.12	0.54	
2nd flight		1	1.75	1.50	0.12		
Steps		24	1.50	0.25	0.12		
					Total Quantity	174.21	
	A)Up to125% of quantity					157.64	
	B)Above 125% of quantity					16.57	

C&E

Agency Signature

Assistant Engineer
Ward No-04

30/10/2021

Assistant Executive Engineer
Yelahanka Sattelite Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work:- Improvements of Anganawadi buildings and Improvements of Government School buildings in ward no-04 of Yelahanka Satellite town sub division.

Agency:-Sri.T.S.Kothanda Raju

MEASUREMENT SHEET Bill NO:-Final Bill

Measurements Taken On:- 23/11/2021

S.NO	Description of item's	Unit	No	Measurements L	B	D	Qty	Remarks
14	Providing and laying in position reinforced cement concrete of design Mix M25 with OPC @ 340kgs, with 20mm anddown size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with super plasticisers @31ts confirming to 189103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 ems thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, lintles, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications.**(BCSR Item No 4.12, Page No.14)**							
	Existing Building First floor:-	Cum						
	Columns		20	0.45	0.20	2.10	3.78	
			20	0.45	0.20	0.40	0.72	
	Varandah Columns		20	0.45	0.20	0.80	1.44	
			10	0.38	0.20	2.70	2.05	
	Lintels:-L/walls		10	0.38	0.20	0.80	0.61	AGL 23/11/2021
	S/walls		2	28.10	0.20	0.20	2.25	
	Tie Beams:-L/walls		4	5.00	0.20	0.20	0.80	AGL 23/11/2021
	S/walls		3	28.10	0.20	0.30	5.06	
			10	5.00	0.20	0.30	3.00	
	Roof slab		4	1.40	0.20	0.30	0.34	
	First floor Terrace slab		1	28.10	7.00	0.15	29.51	
	Supporting Beam		1	2.95	1.75	0.15	0.77	
	Second floor Terrace slab		2	1.60	0.38	0.30	0.36	
			1	2.95	1.75	0.15	0.77	
					Total Quantity		51.46	

Agency Signature

AGL 23/11/2021
Assistant Engineer
Ward No-04

Assistant Executive Engineer
Yelahanka Sattelite Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work:- Improvements of Anganawadi buildings and Improvements of Government School buildings in ward no-04 of Yelahanka Satellite town sub division.

Agency:-Sri.T.S.Kothanda Raju

MEASUREMENT SHEET Bill N0:-Final Bill

Measurements Taken On:- 18/11/2024

S.NO	Description of item's	Unit	No	Measurements L	B	D	Qty	Remarks
16	Providing and laying in position reinforced cement concrete of design Mix M20 with OPC @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.05865cum and fine aggregtes @ 0.0391 cum, with super plasticisers @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms average thickness, upto ground floor level, including cost of all materials, labour, HOM finishing, curing, complete but excluding cost of reinforcement as per specifications.**(BCSR Item No 4.20, Page No .15)**							
	Old Existing Building **First floor:-**	Sqm						
	Building Backside		9	1.35	0.45		5.47	
					Total Quantity		5.47	

Agency Signature

Assistant Engineer
Ward No-04

18/11/2024
Assistant Executive Engineer
Yelahanka Satellite Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work:- Improvements of Anganawadi buildings and Improvements of Government School buildings in ward no-04 of Yelahanka Satellite town sub division.

Agency:-Sri T.S.Kothanda Raju

MEASUREMENT SHEET Bill N0:-Final Bill

Pre-Measurements Taken On:- 25/08/2021

S.NO	Description of item's	Unit	No	Measurements L	B	D	Qty	Remarks
17	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and I or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. and Lift charges for steel of all diameters for additional floors over ground floor per floor height of 3.5 m. or part there of cost of labour, complete as per specifications.- .do-TMT bars Fe 500 **(BCSR Item No 4.46Page No.18)**							
	New Buildy Ground floor:-	Tonnes						
	Footings and Pedestals							
	25 mm Dia (0.25c/c)							
	CF1:-Top Rods	4	1	0.80	3.20			
	Bottom Rods	11	1	0.80	8.80			
	CF2:-Top Rods	4	1	0.50	2.00			
	Bottom Rods	11	1	0.50	5.50			
	CF3:-Bottom Rods	6	1	0.50	3.00			
	CF4:-Bottom Rods	8	1	0.50	4.00			
					26.50	3.85	102.03	
	20 mm Dia (0.25c/c)							
	C1	17	3	3.95	201.45			
	CF3:-Top Rods	6	1	0.50	3.00			
	CF4:-Top Rods	4	1	0.50	2.00			
					206.45	2.47	509.93	
	16 mm Dia (0.20c/c)							
	C1	15	3	5.15	231.75			
	C2	19	2	3.40	129.20			
		12	2	4.60	110.40			
	C3	14	5	3.30	231.00			
		10	5	3.90	195.00			
	(0.10c/c),CF1	56	1	4.30	240.80			
	(0.13c/c),CF2	53	1	3.20	169.60			
					1307.75	1.58	2066.25	
	12 mm Dia (0.25c/c)							
	C4	13	3	2.95	115.05			
		13	3	2.80	109.20			
	CF1	13	1	6.00	78.00			
	4LGD (0.10c/c)	9	1	3.20	28.80			

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರ
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Main Rods 12mm Dia (0.15c/c)							
Alternative Crank Rods	30	1	9.30	279.00			
Tension Rods	30	2	3.00	180.00			
Stright Rods:-Bottom Rods	21	2	9.10	382.20			
Top Rods	20	2	9.10	364.00			
Alternative Crank Rods	51	1	8.30	423.30			
Tension Rods	51	2	4.20	428.40			
Stright Rods:-Bottom Rods	26	1	8.10	210.60			
	26	1	6.70	174.20			
Top Rods	25	1	8.10	202.50			
	25	1	6.70	167.50			
				2811.70	0.89	2502.41	
Distrubution Rods 8mm Dia (.20c/c)							
Alternative Crank Rods	16	1	13.20	211.20			
Tension Rods	16	2	4.60	147.20			
Stright Rods:-Bottom Rods	16	2	12.80	409.60			
Top Rods	15	2	12.80	384.00			
Alternative Crank Rods	15	1	15.20	228.00			
Tension Rods	15	2	4.20	126.00			
Stright Rods:-Bottom Rods	27	1	15.20	410.40			
	15	1	11.80	177.00			
Top Rods	26	1	15.20	395.20			
	14	1	11.80	165.20			
				2653.80	0.39	1034.98	
						18624.84	
				Total Quantity		18.62	
	A)Up to125% of quantity					16.11	
	B)Above 125% of quantity					2.51	

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭ
ಜಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-10

Agency Signature

Assistant Engineer
Ward No-04

Assistant Executive Engineer
Yelahanka Sattelite Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work:- Improvements of Anganawadi buildings and Improvements of Government School buildings in ward no-04 of Yelahanka Satellite town sub division.

Agency:-Sri.T.S.Kothanda Raju

MEASUREMENT SHEET Bill N0:-Final Bill

Pre-Measurements Taken On:- 08/10/2021

S.NO	Description of item's	Unit	No	Measurements L	B	D	Qty	Remarks
22	Providing and removing centering, shuttering, strutting,propping etc., and removal of form work for columns, pillars, postand struts, square I rectangular/ polygon in plan including cost of allmaterials, labour complete as per specifications.**(BCSR item 4.32,Page No .16)**							
	First floor:-	Sqm						
	Columns	2	20	0.45		2.10	37.80	
		2	20	0.20		2.10	16.80	
		2	20	0.45		0.40	7.20	
		2	20	0.20		0.40	3.20	
		2	20	0.45		0.80	14.40	
		2	20	0.20		0.80	6.40	
	Varandha Columns	2	10	0.38		2.70	20.52	
		2	10	0.20		2.70		
		2	10	0.38		0.80		
		2	10	0.20		0.80		
					Total Quantity		126.40	

Agency Signature

Assistant Engineer
Ward No-04

Assistant Executive Engineer
Yelahanka Sattelite Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work:- Improvements of Anganawadi buildings and Improvements of Government School buildings in ward no-04 of Yelahanka Satellite town sub division.

Agency:-Sri.T.S.Kothanda Raju

MEASUREMENT SHEET Bill N0:-Final Bill

Pre-Measurements Taken On:- 29/09/2021

S.NO	Description of item's	Unit	No	Measurements L	B	D	Qty	Remarks
26	Providing and removing centering, shuttering. Strutting, proping etc. and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200mm including cost of all materials, labour complete as perspecifications.**(BCSR Item 4.30,Page No.16)**							
	Ground floor:-	Sqm						
	Roof:-Class Room1		1	5.95	7.00		41.65	
	Class Room2		1	6.05	7.00		42.35	
	Corridor		1	6.05	1.30		7.87	
	Toilet Block		1	6.05	3.75		22.69	
	Borewell Corridor		1	6.05	3.00		18.15	
	Anganawadi Hall		1	6.05	4.95		29.95	
	Kitchen,store & Toilet		1	6.05	2.45		14.82	
	Staire case		1	6.05	2.95		17.85	
	Front Corridor		1	9.30	1.50		13.95	
			1	4.65	1.50		6.98	
	sides		1	23.90		0.20	4.78	
			1	12.60		0.20	2.52	
			1	8.90		0.20	1.78	
			1	4.65		0.20	0.93	
			1	11.75		0.20	2.35	
			1	3.25		0.20	0.65	
			1	6.45		0.20	1.29	
	Staire case 1st flight		1	4.25	1.50		6.38	
			2	4.25		0.20	1.70	
	Landing		1	3.00	1.50		4.50	
			1	1.50		0.20	0.30	
			1	3.00		0.20	0.60	
	2nd flight		1	1.75	1.50		2.63	
			1	1.75		0.20	0.35	
	Steps		23	1.50	0.25		8.63	
			24	1.50		0.20	7.20	
		0.50	34	0.25		0.20	0.85	
		0.50	14	0.25		0.30	0.35	
					Total Quantity		264.02	

Agency Signature

Assistant Engineer
Ward No-04

Assistant Executive Engineer
Yelahanka Sattelite Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work:- Improvements of Anganawadi buildings and Improvements of Government School buildings in ward no-04 of Yelahanka Satellite town sub division.

Agency:-Sri.T.S.Kothanda Raju

MEASUREMENT SHEET Bill N0:-Final Bill

Pre-Measurements Taken On:- 23/09/2021

S.NO	Description of item's	Unit	No	Measurements L	B	D	Qty	Remarks
28	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for chajja, corbels etc., including edges including cost of all materials, labour complete as per specifications.**(BCSR Item 4.37,Page No.17)**							
	New Buildy **Ground floor:-**	Sqm						
	New Building:-W1		10	1.50	0.45		6.75	
	V1		8	0.90	0.45		3.24	
	V2		1	0.75	0.45		0.34	
					Total Quantity		10.33	

Agency Signature

Assistant Engineer
Ward No-04

Assistant Executive Engineer
Yelahanka Sattelite Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work:- Improvements of Anganawadi buildings and Improvements of Government School buildings in ward no-04 of Yelahanka Satellite town sub division.

Agency:-Sri.T.S.Kothanda Raju

MEASUREMENT SHEET Bill N0:-Final Bill

Pre-Measurements Taken On:- 28/10/2024

S.NO	Description of item's	Unit	No	Measurements L	B	D	Qty	Remarks
30	Providing & applying water proofing to concrete surfaces usinghigh quality polymer-modified bituminous compounds (confirming to ASTM Sqm D 5147) reinforced with non woven polyester fabric, weighing 180gml sqm granular finish 4mm thick by torch on application method confirming to the properties indicated below. It shall be provided after priming the surface using bitumen primer at 0.2 ltr Isqm. Detailed specification & Methodology 1. Membrane thickness 4mm (+ or - 5%) 2. Tensile strength - Longitudinal 790 N15cm Transverse 730 N15cm 3. Elongation of Membrane - Longitudinal 65% Transverse 69% 4. Tear Resistance - Longitudinal 180 NTransverse 190 N 5. Lap joint strength - Longitudinal 750 N15cm Transverse 550 N15cm 6. Puncture Resistance - Static 1.4 Dynamic 1.3 7. Water absorption - < 0.15% 8. Water permeability - Nil 9. Chemical resistance - Chloride, sulphate and Nitrate The area to be water proofed shall be free from loose aggregate, dust free and in dry condition. Primer must be applied to the surface and allowed to dry prior to application of membrane. The membrane shall be applied within 6 hours after application of primer. The membrane comes in a roll form shall be unrolled and placed in the correct position where it has to be torched. Each layer must over lap the next layer by min 10cm at the adjacent and 15cm at the ends. The heat application through propane gas torch shall be applied on membrane thus causing melting and subsequent adhesion in the surface. The membrane should be properly placed and torched on in staggered position and lifts(BCSR Item No 38.1.							
	New Block Ground floor:-	sqm						
	Roof		1	11.75	7.95		93.41	
			1	3.25	6.45		20.96	
			1	12.60	8.90		112.14	
	Staire case 1st flight		1	4.20	1.50		6.30	
	Landing		1	3.00	1.50		4.50	
	2nd flight		1	1.75	1.50		2.63	
	Steps		24	1.50	0.25		9.00	
	First floor:-							
	Slab		1	27.70	6.80			
	First floor Terrace slab		1	2.95	1.75			
	Second floor Terrace slab		1	2.95	1.75		5.16	
						Total Quantity	447.63	

Agency Signature

Assistant Engineer
Ward No-04

Assistant Executive Engineer
Yelahanka Sattelite Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work:- Improvements of Anganawadi buildings and improvements of Government School buildings in ward no-04 of Yelahanka Satellite town sub division.

Agency:-Sri.T.S.Kothanda Raju

MEASUREMENT SHEET Bill NO:-Final Bill

Measurements Taken On:- 27/09/2021

S.NO	Description of item's	Unit	No	Measurements L	B	D	Qty	Remarks
37	Fixing of Door frames in an existing opening including embedding frame in floor and walls after cutting masonry for embedding holdfasts including providing & fixing 3/4 of MS holdfasts of size 200x20x3mm for each side and fixed to the frame and embeded with PCC 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size), painting two coats of coal tar to sides of frames, making good the damages to walls & floor as required and disposal of debris including cost of materials, labour, HOM of machineries complete as per specifications all as per the drawing and as per the directions of the Engineer-in-charge of the work.**(BCSR Item No 9.80, Page No.60)**							
	Ground Floor: -	No,s						
	D1		3				3.00	
	D2		5				5.00	
	D3		6				6.00	
						Total Quantity	**14.00**	
	A)Up to125% of quantity						10.00	
	B)Above 125% of quantity							

Agency Signature

Assistant Engineer
Ward No-04

Assistant Executive Engineer
Yelahanka Sattelite Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work:- Improvements of Anganawadi buildings and Improvements of Government School buildings in ward no-04 of Yelahanka Satellite town sub division.

Agency:-Sri.T.S.Kothanda Raju

MEASUREMENT SHEET Bill N0.-Final Bill

Measurements Taken On:- 16/10/2021

S.NO	Description of item's	Unit	No	Measurements L	B	D	Qty	Remarks
44	KSRB 15-3.5/15-7: Providing 15mm thick plain plastering in single coat to internal masonry surfaces, in cement mortar 1:4 (1 cement : 4 fine sand) including providing & removing necessary scaffolding, rounding of corners wherever required, smooth rendering with lime, curing etc.including cost of all materials, formwork, labour charges, HOM of Machineries, loading, unloading ,with all lead and lifts etc., compelte & as per specifiction and as directed by Engineer.(BCSR Item No15.13 , Page No.115)							
	Ground Floor:-	Sqm						
	Inside Plastering:-Class Room1		2	5.95		3.00	35.70	
	Class Room2		2	7.00		3.00	42.00	
	Corridor		2	6.05		3.00	36.30	
	Toilet Block		2	7.00		3.00	42.00	
			2	6.05		3.00	36.30	
	Borewell Corridor		2	6.05		3.00	36.30	
	Anganawadi Hall		2	3.75		3.00	22.50	
			2	6.05		3.00	36.30	
	Kitchen,store & Toilet		2	6.05		3.00	36.30	
			2	4.95		3.00	29.70	
	Staire case		2	2.45		3.00	14.70	
			1	6.05		3.00	18.15	
	Front Corridor		1	2.95		3.00	8.85	
			1	15.00		3.00	45.00	
	Partition Wall:-1./walls		1	6.15		3.00	18.45	
			4	3.75		2.10		
			4	2.45		2.10		
	S/Walls		4	2.30		2.10		
			2	1.30		2.10	5.46	
	Old Building:-Room 1		8	1.20		2.10	20.16	
			2	9.15		1.30	23.79	
	Room 2		2	5.00		1.30	13.00	
			2	9.05		1.10	19.91	
	Room 3		2	5.00		1.10	11.00	
			2	9.10		1.55	28.21	
			2	5.00		1.55	15.50	
							703.28	
	(-)Deductions:-OD	1	1	3.00		2.10	6.30	

	2	1	3.00		2.10	12.60
OD1	1	1	1.30		2.10	2.73
	2	1	1.30		2.10	5.46
D1	2	3	1.05		2.10	13.23
	1	1	1.05		1.30	1.37
	1	1	1.08		1.10	1.19
	1	1	1.05		1.55	1.63
D2	2	5	0.90		2.10	18.90
D3	2	5	0.75		2.10	15.75
	1	1	0.75		2.10	1.58
W1	1	10	1.20		1.20	14.40
V1	2	6	0.60		0.60	4.32
	1	2	0.60		0.60	0.72
V2	1	1	0.45		0.45	0.20
						100.34
				Total Quantity		602.95
A)Up to125% of quantity						398.04
B)Above 125% of quantity						204.91

Agency Signature

Assistant Engineer
Ward No-04

Assistant Executive Engineer
Yelahanka Sattelite Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work:- Improvements of Anganawadi buildings and Improvements of Government School buildings in ward no-04 of Yelahanka Satellite town sub division.

Agency:-Sri.T.S.Kothanda Raju

MEASUREMENT SHEET Bill N0:-Final Bill

Measurements Taken On:- 19/11/2021

S.NO	Description of item's	Unit	No	Measurements L	B	D	Qty	Remarks
47	KSRB15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications.**(BCSR Item No 15.33, Page No.117)**							
	Over Cradling Belly **First Floor:-**	Sqm						
	Cealing:-Room1		1	9.15	5.00		45.75	
	Room2		1	9.05	5.00		45.25	
	Room3		1	9.10	5.00		45.50	
	Center Beams		12	5.00		0.30	18.00	
	Varandah		1	27.90	1.40		39.06	
			6	1.40		0.30	2.52	
	First floor Terrace slab		1	2.95	1.75		5.16	
	Second floor Terrace slab		1	2.95	1.75		5.16	
	Internal Plastering:-Room1		2	9.15		3.00	54.90	
			2	5.00		3.00	30.00	
	Room3		2	9.05		3.00	54.30	
			2	5.00		3.00	30.00	
	Room3		2	9.10		3.00	54.60	
			2	5.00		3.00	30.00	
	L/walls		1	27.90		3.00	83.70	
			1	27.90		0.30	8.37	
			1	27.90		0.85	23.72	
	Terrace		2	2.95		0.55	3.25	
	S/walls		1	1.40		3.00	4.20	
			20	0.38		1.85	14.06	
			20	0.20		1.85	7.40	
	Door	2	3	1.05			604.90	
	Windows:-Back	1	9	1.10		2.10	13.23	
	Front	2	6	1.25		1.20	11.88	
						1.20	18.00	
							43.11	
					Total Quantity		561.79	

Agency Signature

Assistant Engineer
Ward No-04

Assistant Executive Engineer
Yelahanka Sattelite Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work:- Improvements of Anganawadi buildings and Improvements of Government School buildings in ward no-04 of Yelahanka Satellite town sub division.

Agency:-Sri.T.S.Kothanda Raju

MEASUREMENT SHEET Bill N0:-Final Bill

Measurements Taken On:- 24/11/2021

S.NO	Description of item's	Unit	No	Measurements L	B	D	Qty	Remarks
49	KSRB15-3 : Providing 18mm thick cement plaster in single coat with cement mortar 1:3 to brick masonry including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curingcomplete as per specification(**BCSR Item No 15.15, Page No.116**)							
	First Floor:-	Sqm						
	L/walls		1	28.10		3.90	109.59	
			1	28.10		1.30	36.53	
	S/walls		1	7.00		3.90	27.30	
			1	5.40		3.90	21.06	
	Parapet wall Inside		2	27.90		1.00	55.80	
			2	6.80		1.00	13.60	
							263.88	
	Windows:-Back		9	1.10		1.20	11.88	
							11.88	
					Total Quantity		252.00	
	A)Up to125% of quantity						208.95	
	B)Above 125% of quantity						43.05	

Agency Signature

Assistant Engineer
Ward No-04

Assistant Executive Engineer
Yelahanka Sattelite Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work:- Improvements of Anganawadi buildings and Improvements of Government School buildings in ward no-04 of Yelahanka Satellite town sub division.

Agency:-Sri.T.S.Kothanda Raju

MEASUREMENT SHEET Bill NO:-Final Bill

Measurements Taken On:- 11/10/2021

S.NO	Description of item's	Unit	No	Measurements L	Measurements B	Measurements D	Qty	Remarks
54	Providing skirting, dadoing, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, completeas per specifications.**(BCSR Item No 14.41.1, Page No.108)**							
	Ground Floor	Sqm						
	Store		2	2.40		1.50	7.20	
			2	1.55		1.50	4.65	
	Kitchen		2	2.40		1.50	7.20	
			2	3.00		1.50	9.00	
	D2		3	0.90		1.50	[illegible]	
					Total Quantity		24.00	

Agency Signature

Assistant Engineer
Ward No-04

Assistant Executive Engineer
Yelahanka Sattelite Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work:- Improvements of Anganawadi buildings and Improvements of Government School buildings in ward no-04 of Yelahanka Satellite town sub division.

Agency:-Sri T.S.Kothanda Raju

MEASUREMENT SHEET Bill N0:-Final Bill

Measurements Taken On:- 25/11/2021

S.NO	Description of Item's	Unit	No	Measurements L	B	D	Qty	Remarks
58	Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 ems. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curingcomplete as per specifications **(BCSR Item No 4.6,Page No 13)**							
	Over Lavatory Bulay **First Floor:-**	Cum						
	Room1		1	9.15	5.00	0.075	3.43	
	Room2		1	9.05	5.00	0.075	3.39	
	Room3		1	9.10	5.00	0.075	3.41	
	Varandah		1	27.00	1.30	0.075	2.63	
					Total Quantity		12.86	

Agency Signature

Assistant Engineer
Ward No-04

Assistant Executive Engineer
Yelahanka Sattelite Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

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Agency:-Sri.T.S.Kothanda Raju

MEASUREMENT SHEET Bill N0:-Final Bill

Measurements Taken On:- 25/11/2021

S.NO	Description of item's	Unit	No	Measurements L	B	D	Qty	Remarks
62	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications.**(BCSR Item No 15.53.2, Page No.120)**							
	Existing Building **Ground Floor:-(Old Building)**	Sqm						
	L/walls		1	28.00		3.30	92.40	
			1	28.00		0.45	12.60	
	S/walls		1	7.00		3.30	23.10	
			1	5.40		3.25	17.55	
	Windows:-Back		9	1.10		1.20	145.65	
						Total Quantity	133.50	

Agency Signature

Assistant Engineer
Ward No-04

Assistant Executive Engineer
Yelahanka Sattelite Sub Division

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YELAHANKA ZONE

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Agency:-Sri.T.S.Kothanda Raju

MEASUREMENT SHEET Bill N0:-Final Bill

Measurements Taken On:- 25/11/2021

S.NO	Description of item's	Unit	No	Measurements L	B	D	Qty	Remarks
71	Providing and fixing sand cast iron soil waste and vent pipes with spun yarn soaked in cement slurry and cement mortar 1 :2 including cost of materials, labour, testing complete as perspecifications.**(BCSR Item No 12.47, Page No.85)**							
	Sanitary Line	Mtr	1	30.00			30.00	
						Total Quantity	30.00	

Agency Signature

Assistant Engineer
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Yelahanka Satellite Sub Division

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MEASUREMENT SHEET Bill N0.-Final Bill

Measurements Taken On:- 25/11/2024

S.NO	Description of item's	Unit	No	Measurements L	B	D	Qty	Remarks
77	Supplying And Fixing Metal Fan Box with Round Hook.(As per SR 19-20, Item No. 1.12, PageNo.3)							
		Nos	20				20.00	
						Total Quantity	20.00	

Agency Signature

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Yelahanka Satellite town sub division

BRUHAT BANGALORE MAHANAGARA PALIKE

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Agency:-Sri.T.S.Kothanda Raju

MEASUREMENT SHEET Bill N0:-Final Bill

Measurements Taken On:- 25/11/2021

S.NO	Description of Item's	Unit	No	Measurements L	B	D	Qty	Remarks
81	Supplying and wiring adopting loop system in existing PVC Conduit /casing capping casing capping using 2x1.5Sqmm(Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLSmulti strand PVC insulated copper wire (confirming tolS- 694: and laiest amendments) without control switchshall be fixed on the existing plastic sheet/ gang box, theother end of the wires shall be terminated with sufficientloose length in a wood/PVC round block. complete for eachoutlet. Two outlet in a row, above 3Mtr upto 6Mtr from tapping pointto out let via switches.**(As per SR 19-20, Item No. 2.2.4, Page No.5)**							
		Nos	32				32.00	
						Total Quantity	32.00	

Agency Signature

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Yelahanka Satellite Sub-Division

BRUHAT BANGALORE MAHANAGARA PALIKE

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MEASUREMENT SHEET Bill NO:-Final Bill

Measurements Taken On:- 25/11/2024

S.NO	Description of item's	Unit	No	Measurements L	B	D	Qty	Remarks
85	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting inBrick/Stone/C.C wall .1-3Way(**As per SR 19-20, Item No. 3.4.1, Page No.9**)							
		Nos	2				2.00	
						Total Quantity	2.00	

Agency Signature

Assistant Engineer
Ward No-04

Assistant Executive Engineer
Yelahanka Satellite Town Division

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

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Agency:-Sri.T.S.Kothanda Raju

MEASUREMENT SHEET Bill N0:-Final Bill

Measurements Taken On:- 25/11/2021

S.NO	Description of item's	Unit	No	Measurements L	B	D	Qty	Remarks
88	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 10-12 Module(As per SR 19-20, Item No. 3.5.5, Page No.9)							
		Nos	4				4.00	
						Total Quantity	4.00	

Agency Signature

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Ward No-04

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Yelahanka Satellite town sub division

BRUHAT BANGALORE MAHANAGARA PALIKE

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MEASUREMENT SHEET Bill N0:-Final Bill

Measurements Taken On:- 25/11/2024

S.NO	Description of item's	Unit	No	Measurements L	B	D	Qty	Remarks
90	Supplying and fixing of modular switch & connected accessorieson existing modular switch plate as per IS 3854 and IS 1293. 6Amps 3way socket(**As per SR 19-20, Item No. 3.6.3,Page No.10**)							
		Nos	4				4.00	
						Total Quantity	**4.00**	

Agency Signature

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MEASUREMENT SHEET Bill N0:-Final Bill

Measurements Taken On:- 25/11/2021

S.NO	Description of item's	Unit	No	Measurements L	B	D	Qty	Remarks
94	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure. 6Way SP &N , Double door **(As per SR 19-20, Item No. 5.18.6,Page No.28)**							
		Nos	2				2.00	
						Total Quantity	**2.00**	

Agency Signature

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Yelahanka Satellite Sub Division

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Agency:-Sri.T.S.Kothanda Raju

MEASUREMENT SHEET Bill N0:-Final Bill

Measurements Taken On:- 25/11/2021

S.NO	Description of item's	Unit	No	Measurements L	B	D	Qty	Remarks
97	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system. 56" Sweep (1400mm) Regular model **(As per SR 19-20, Item No. 7.3.2, Page No.46)**							
		Nos	6				6.00	
						Total Quantity	6.00	

Agency Signature

Assistant Engineer
Ward No-04

Executive Engineer
Yelahanka Satellite Sub Division